DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below under our names.

We believe that we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled

A CRYSTAL OF BACTERIAL CORE RNA POLYMERASE AND METHODS OF USE THEREOF

the Specifica	tion of which	
[]	is attached hereto:	
[X]	was filed on September	15, 1999
	as Application Serial No.	09/396,651
	and was amended on	(if applicable).

We hereby state that we have reviewed and understand the contents of the aboveidentified Specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56(a).

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any provisional application filed in the United States in accordance with 35 U.S.C. §1.119(e), or any application for patent that has been converted to a Provisional Application within one (1) year of its filing date, or any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FILED APPLICATION(S)

APPLICATION COUNTRY (DAY/MONTH/YEAR FILED) PRIORITY

NUMBER CLAIMED

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in any prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a), which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NO.

FILING DATE (DAY/MONTH/YEAR)

STATUS - PATENTED, PENDING, ABANDONED

We hereby appoint as our attorneys or agents the following persons: Jack Matalon, (Attorney, Registration No. 22,441); Stefan J. Klauber (Attorney, Registration No. 22,604); David A. Jackson (Attorney, Registration No. 26,742); Donald J. Cox, Jr. (Attorney, Registration No. 37,804); Michael D. Davis (Attorney, Registration No. 39,161); Christine E. Dietzel (Agent, Registration No. 37,309); and Michael A. Yamin (Agent, Registration No. 44,414), said attorneys or agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence regarding this application to:

DAVID A. JACKSON, ESQ. KLAUBER & JACKSON 411 HACKENSACK AVENUE HACKENSACK, NEW JERSEY 07601

Direct all telephone calls to David A. Jackson at (201) 487-5800.

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST JOINT INVENTOR:	Seth A. Dars
COUNTRY OF CITIZENSHIP:	United States

FULL RESIDENCE ADDRESS: 500 East 63rd Street, Apt. 16J

New York, NY 10021

FULL POST OFFICE ADDRESS: 500 East 63rd Street, Apt. 16J New York, NY 10021

SIGNATURE OF INVENTOR	
DATE	

Attorney Docket No: 600-1-258

FULL NAME OF SECOND JOINT INVENTOR.	Gongyi Zhang
COUNTRY OF CITIZENSHIP:	People's Republic of China
FULL RESIDENCE ADDRESS:	c/o National Jewish Medical & Research Center 1400 Jackson Street, K520 Denver, CO 80206
FULL POST OFFICE ADDRESS:	c/o National Jewish Medical & Research Center 1400 Jackson Street, K520 Denver, CO 80206
SIGNATURE OF INVENTOR	
DATE	
FULL NAME OF THIRD JOINT INVENTOR:	Elizabeth Campbell
COUNTRY OF CITIZENSHIP:	United States
FULL RESIDENCE ADDRESS:	500 East 63rd Street, Apt. 16J New York, NY 10021
FULL POST OFFICE ADDRESS:	500 East 63rd Street, Apt. 16J New York, NY 10021
	•
SIGNATURE OF INVENTOR	
DATE	

Attorney Docket No: 600-1-258

FULL NAME OF FOURTH JOINT INVENTOR: Leonid Minakin

COUNTRY OF CITIZENSHIP:

Russia

FULL RESIDENCE ADDRESS:

190 Frelinghuysen Road

Piscataway, NJ 08854

FULL POST OFFICE ADDRESS:

190 Frelinghuysen Road

Piscataway, NJ 08854

SIGNATURE OF INVENTOR

DATE 12/0//95

New ADDVESS.

FULL NAME OF FIFTH JOINT INVENTOR:

Konstantin Severinov

COUNTRY OF CITIZENSHIP:

Russia

Highland Pank

FULL RESIDENCE ADDRESS:

114 Bayard Street, #3

New Brunswick, NJ 08903

FULL POST OFFICE ADDRESS:

114 Bayard Street, #3

New Brunswick, NJ 08903

415 VALENTINE Street Hickland Park

NY 08904

SIGNATURE OF INVENTOR L. SEVENIA CL

DATE 12/01/99

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below under our names.

We believe that we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled

A CRYSTAL OF BACTERIAL CORE RNA POLYMERASE AND METHODS OF USE THEREOF

the Specifica	tion of which	
[]	is attached hereto	
[X]	was filed on September 15, 199	99
	as Application Serial No. 09/39	96,651
	and was amended on	(if applicable).

We hereby state that we have reviewed and understand the contents of the aboveidentified Specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56(a).

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any provisional application filed in the United States in accordance with 35 U.S.C. §1.119(e), or any application for patent that has been converted to a Provisional Application within one (1) year of its filing date, or any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FILED APPLICATION(S)

APPLICATION

COUNTRY

(DAY/MONTH/YEAR FILED)

PRIORITY

CLAIMED

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in any prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a), which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION

NO.

FILING DATE (DAY/MONTH/YEAR)

STATUS - PATENTED, PENDING, ABANDONED

We hereby appoint as our attorneys or agents the following persons: Jack Matalon, (Attorney, Registration No. 22,441); Stefan J. Klauber (Attorney, Registration No. 22,604); David A. Jackson (Attorney, Registration No. 26,742); Donald J. Cox, Jr. (Attorney, Registration No. 37,804); Michael D. Davis (Attorney, Registration No. 39,161); Christine E. Dietzel (Agent, Registration No. 37,309); and Michael A. Yamin (Agent, Registration No. 44,414), said attorneys or agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence regarding this application to:

DAVID A. JACKSON, ESQ. KLAUBER & JACKSON 411 HACKENSACK AVENUE HACKENSACK, NEW JERSEY 07601

Direct all telephone calls to David A. Jackson at (201) 487-5800.

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST JOINT INVENTOR: Seth A. Darst

COUNTRY OF CITIZENSHIP: United States

FULL RESIDENCE ADDRESS: 500 East 63rd Street, Apt. 16J

New York, NY 10021

FULL POST OFFICE ADDRESS: 500 East 63rd Street, Apt. 16J

New York, NY 10021

SIGNATURE OF INVENTOR

DATE 11/29/99

- 2 -

Attorney Docket No: 600-1-258

FULL NAME OF SECOND JOINT INVENTOR:	Gongyi Zhang
COUNTRY OF CITIZENSHIP:	People's Republic of China
FULL RESIDENCE ADDRESS:	c/o National Jewish Medical & Research Center 1400 Jackson Street, K520 Denver, CO 80206
FULL POST OFFICE ADDRESS:	c/o National Jewish Medical & Research Center 1400 Jackson Street, K520 Denver, CO 80206
SIGNATURE OF INVENTOR	
DATE Dec. 1, 1999	-
FULL NAME OF THIRD JOINT INVENTOR:	Elizabeth Campbell
COUNTRY OF CITIZENSHIP:	United States
FULL RESIDENCE ADDRESS:	500 East 63rd Street, Apt. 16J New York, NY 10021
FULL POST OFFICE ADDRESS:	500 East 63rd Street, Apt. 16J New York, NY 10021
_	
SIGNATURE OF INVENTOR	
DATE NO U. 2/2 /4/4/	

Attorney Docket No: 600-1-258

FULL NAME OF FOURTH JOINT INVENTOR:	Leonid Minakin
COUNTRY OF CITIZENSHIP:	Russia
FULL RESIDENCE ADDRESS:	190 Frelinghuysen Road Piscataway, NJ 08854
FULL POST OFFICE ADDRESS:	190 Frelinghuysen Road Piscataway, NJ 08854
SIGNATURE OF INVENTOR	
DATE	
FULL NAME OF FIFTH JOINT INVENTOR:	Konstantin Severinov
COUNTRY OF CITIZENSHIP:	Russia
FULL RESIDENCE ADDRESS:	114 Bayard Street, #3 New Brunswick, NJ 08963
FULL POST OFFICE ADDRESS:	114 Bayard Street, #3 New Brunswick, NJ 08903
SIGNATURE OF INVENTOR	

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below under our names.

We believe that we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled

A CRYSTAL OF BACTERIAL CORE RNA POLYMERASE AND METHODS OF USE THEREOF

the Specificat	tion of which		
-	is attached hereto		
[]	was filed on		
	as Application Serial No.		
	and was amended on	(if applicable).	
		riewed and understand the contents of aims, as amended by any amendment	
	•	close information which is material to lance with Title 37, Code of Federal R	
any provision §1.119(e), or within one (1) certificate list	al application filed in the U any application for patent to) year of its filing date, or a ted below and have also ide	benefits under Title 35, United States Inited States in accordance with 35 United States in accordance	S.C. al Application inventor's for patent or
	PRIOR FIL	LED APPLICATION(S)	
APPLICATION NUMBER	ON COUNTRY	(DAY/MONTH/YEAR FILED)	PRIORITY CLAIMED

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in any prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a), which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION

FILING DATE (DAY/MONTH/YEAR)

STATUS - PATENTED, PENDING, ABANDONED

We hereby appoint as our attorneys or agents the following persons: Jack Matalon, (Attorney, Registration No. 22,441); Stefan J. Klauber (Attorney, Registration No. 22,604); David A. Jackson (Attorney, Registration No. 26,742); Donald J. Cox, Jr. (Attorney, Registration No. 37,804); Michael D. Davis (Attorney, Registration No. 39,161); Christine E. Dietzel (Agent, Registration No. 37,309); and Michael A. Yamin (Agent, Registration No. 44,414), said attorneys or agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence regarding this application to:

DAVID A. JACKSON, ESQ. KLAUBER & JACKSON 411 HACKENSACK AVENUE HACKENSACK, NEW JERSEY 07601

Direct all telephone calls to David A. Jackson at (201) 487-5800.

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST JOINT INVENTOR:	Seth A. Darst
COUNTRY OF CITIZENSHIP:	United States
FULL RESIDENCE ADDRESS:	500 East 63rd Street, Apt. 16J New York, NY 10021
FULL POST OFFICE ADDRESS:	500 East 63rd Street, Apt. 16J New York, NY 10021
SIGNATURE OF INVENTOR	
DATE	

DATE ____

Attorney Docket No: 600-1-258

FULL NAME OF SECOND JOINT INVENTOR:	Gongyi Zhang
COUNTRY OF CITIZENSHIP:	People's Republic of China
FULL RESIDENCE ADDRESS:	c/o National Jewish Medical & Research Center 1400 Jackson Strett, K520 Denver, CO 80206
FULL POST OFFICE ADDRESS:	c/o National Jewish Medical & Research Center 1400 Jackson Strett, K520 Denver, CO 80206
SIGNATURE OF INVENTOR	



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

MARCH 11, 2000

PTAS

KLAUBER & JACKSON
DAVID A. JACKSON
411 HACKENSACK AVENUE, 4TH FLOOR
HACKENSACK, NJ 07601



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/13/1999

REEL/FRAME: 010438/0899

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

5 H 10

DARST, SETH A.

DOC DATE: 11/29/1999

ASSIGNOR:

ZHANG, GONGYI

DOC DATE: 12/01/1999

ASSIGNOR:

CAMPBELL, ELIZABETH

DOC DATE: 11/29/1999

ASSIGNEE:

ROCKEFELLER UNIVERSITY, THE 1230 YORK AVENUE NEW YORK, NEW YORK 10021-6399

SERIAL NUMBER: 09396651

PATENT NUMBER:

FILING DATE: 09/15/1999

ISSUE DATE:

RECEIVEL

MAR 2 0 2000

MAYA BENNETT, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

FORM PTO-1595 (Rev. 6/93) 11117 12/13/99 R

12-20-1999



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

EET

Attorney Docket No. 600-1-258

	To the Assist	tant Commission	ner for Patents. Please	recor	the attached original documents or copy the	eof.	مد س د حد
	1. Name of conveying pa			ł	Name and address of receiving party		(:
	Seth A. Darst; Gongyi	Zhang; and l	Elizabeth Campbell		Name: The Rockefeller University	<u> </u>	111
	Additional name(s) of conveying	party(ies) attach	ed? [] Yes [X] No		Address: 1230 York Avenue	<u> </u>	
	3. Nature of conveyance:			New York, NY 10021-6399			
	[X] Assignment [] Security Agreemen	t [] !	Merger Change of Name				
	Other:				Additional name(s) & address(es) attached? [] Ye	s [X]	No
0 mm	Execution Date: Novemb and November 29, 1999	er 29, 1999;]	December 1, 1999;			*	
	4. Application number(s) or If this document is being			ne exe	cution date of the application is:		
	A. Patent Application No.	.(s)		B.	Patent No.(s)		
	09/396,651						
: 2	• • • • • • • • • • • • • • • • • • •	,	Additional numbers attac	hed?	[] Voc. IVI No.		
	5. Name and address of party document should be maile	v to whom corr			Total number of applications and patents invo	ved: 1	
	Name: David A. Jacks	on		7	Total fee (37 CFR 3.41): \$40.00		
	Address: KLAUBER & J.	ACKSON			[X] Enclosed		
	411 Hackensack Avenue,				[] Authorized to be charged to deposit account for overages or underpayments only	nt, if ne	cessary -
12/24	Hackensack, New Jersey (1999 JSHABAZZ 00000091 0939			l	Deposit account number:		
01 FQ:	,	40.00 OP		-	11-1153		
e d	· · · · · · · · · · · · · · · · · · ·		DO NOT USE		Attach duplicate copy of this page if paying by deposit SPACE	sit accor	ınt)
	9. Statement and signature. To the best of my knowledge a	and belief, the for	egoing information is true o	and co	rrect and any attached copy is a true copy of the or	iginal do	ocument.
	Michael D. Davis, Reg. No. Name of Person Signin	39,161	Michael	\mathcal{D}_{\cdot}	Davis 12	Ida.	9
				Total	number of pages including cover sheet, attachments	, and do	cument: 5

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner For Patents Box Assignments Washington, D.C. 20231

ASSIGNMENT

WHEREAS, WE,

Seth A. Darst, a citizen of United States, residing at 500 East 63rd Street, Apt. 16J
New York, NY 10021;

Gongyi Zhang, a citizen of People's Republic of China, residing at c/o National Jewish Medical & Research Center 1400 Jackson Street, K520 Denver CO 80206; and

Elizabeth Campbell, a citizen of the United States, residing at 500 East 63rd Street, Apt. 16J
New York, NY 10021;

have invented certain new and useful improvements in

A CRYSTAL OF BACTERIAL CORE RNA POLYMERASE AND METHODS OF USE THEREOF

for which we have filed an Application for Letters Patent in the United States on September 15, 1999, and was accorded U.S. Serial No. 09/396,651; and

WHEREAS,

THE ROCKEFELLER UNIVERSITY.

an education corporation organized and existing under the laws of the State of New York, with office at 1230 York Avenue, New York, NY 10021-6399,

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

SETH A. DARST; GONGYI ZHANG; AND ELIZABETH CAMPBELL

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

THE ROCKEFELLER UNIVERSITY,

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which

Attorney Docket No.: 600-1-258

may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted from said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

THE ROCKEFELLER UNIVERSITY,

it successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

THE ROCKEFELLER UNIVERSITY,

its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

THE ROCKEFELLER UNIVERSITY,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

Date 11/29, 1999	SETH A. DARST L.S.
State of $\[N \] $:: ss. County of $\[N \] $:	TERESA L. SOLOMON Notary Public, State of New York No. 31-4989836 Qualified in New York County Commission Expires Dec. 16,
personally known to be the person who is d	99, personally appeared Seth A. Darst, to me lescribed in and who executed the above e/she executed the same of his/her own free will
-	Jerem John NOTARY PUBLIC
(Affix Seal Here)	
Date <u>Rosembn /</u> , 1999	GONGYI ZHANG
State of Colorado: : ss. County of Caraca: :	

Before me this day of 1999, personally appeared Gongyi Zhang, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

NOTARY PUBLIC Deborots C. Case

(Affix Seal Here)

Attorney Docket No.: 600-1-258

Date Nov. 29, 19

State of

:ss.

County of

TERESA L. SOLOMON
Notary Public, State of New York
No. 31-4989836
Qualified in New York County
Commission Expires Dec. 16, 20

Before me this day of 1999, personally appeared Elizabeth Campbell, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

(Affix Seal Here)

ASSIGNMENT

WHEREAS, WE,

Leonid Minakin, a citizen of Russia, residing at 190 Frelinghuysen Road Piscataway, NJ 08854; and

Konstantin Severinov, a citizen of Russia, residing at 114 Bayard Street New Brunswick, NJ 08093

have invented certain new and useful improvements in

A CRYSTAL OF BACTERIAL CORE RNA POLYMERASE AND METHODS OF USE THEREOF

for which we have filed an Application for Letters Patent in the United States on September 15, 1999, and was accorded U.S. Serial No. 09/396,651; and

WHEREAS, RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, an education corporation organized and existing under the laws of the State of New York, with office at 58 Bevier Road, Piscataway, NJ 08854-8010,

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

LEONID MINAKIN AND KONSTANTIN SEVERINOV

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted from said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and

Attorney Docket No.: 600-1-258

request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,

it successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,

its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

Date 1.0.1, 1999	L.S LEONID MINAKIN
State of View fireys: ss. County of Middle Cey:	
County of Middle Cex:	·
Before me this / day of 1999, personally appeared Leonid Minakin, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.	
	Lord M. nichol.
-	NOTARY PUBLIC LOREL M. NICHOL NOTARY PUBLIC OF NEW JERSEY My Commission Expires Nov.10, 2003
(Affix Seal Here)	in the second se
Date <u>Alec. /</u> , 1999	L.S. KONSTANTIN SEVERINOV
State of New Jelsely County of Meddlealy:	
County of Middle of ss.	

Before me this \(\) day of \(\lambda \) c.1999, personally appeared Konstantin Severinov, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

NOTARY PUBLIC

LOREL M. NICHOL NOTARY PUBLIC OF NEW JERSEY My Commission Expires Nov.10, 2003

(Affix Seal Here)